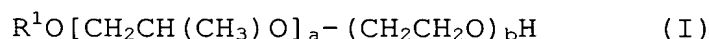


## Claims

1. An aqueous water- and oil-repellent dispersion comprising:

- 5 (A) a homopolymer or copolymer comprising at least one polymerizable compound having a perfluoroalkyl or perfluoroalkenyl group and an acrylate or methacrylate group, or  
a copolymer comprising said polymerizable compound and  
10 another compound copolymerizable therewith, and  
(B) a surfactant which comprises a cationic surfactant and a nonionic surfactant of the formula (I):



- wherein  $R^1$  is a branched alkyl or alkenyl group wherein a  
15 main chain has at least 5 carbon atoms and a side chain has at least 3 carbon atoms,  
a is an integer of at least 3, and  
b is an integer of 10 to 30.

- 20 2. The dispersion according to claim 1, wherein, in  $R^1$  of the formula (I), the side chain is an alkyl group and the number of the side chains is at least 3.

- 25 3. The dispersion according to claim 1, wherein  $R^1$  in the formula (I) has at least 10 carbon atoms.

4. The dispersion according to claim 1, wherein, in  $R^1$  of

the formula (I), the side chain is an alkyl group having 1 to 3 carbon atoms.

5. The dispersion according to claim 1, wherein, in R<sup>1</sup> of  
5 the formula (I), the side chain is a methyl group.

6. The dispersion according to claim 1, wherein R<sup>1</sup> in the formula (I) is a C<sub>13</sub> isotridecyl group having 4 side-chain methyl groups, that is,

10  $\text{CH}_3\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2\text{CH}(\text{CH}_3)\text{CH}_2-$ .

7. The dispersion according to claim 1, wherein R<sup>1</sup> in the formula (I) is a C<sub>13</sub> isotridecyl group having 6 side-chain methyl groups, that is,  $\text{CH}_3\text{C}(\text{CH}_3)_2\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2\text{C}(\text{CH}_3)_2\text{CH}_2-$ , or  
15  $\text{CH}_2(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{CH}_2-$ .

8. The dispersion according to claim 1, wherein R<sup>1</sup> in the formula (I) is a C<sub>13</sub> isotridecyl group having 3 side-chain ethyl groups, that is,  $\text{CH}_3\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2\text{CH}(\text{C}_2\text{H}_5)\text{CH}_2-$ .

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9. A method of processing a textile, comprising using the dispersion according to claim 1.

10. A textile, to which the dispersion according to claim 1  
25 is applied.